

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

8/16/12
WPD /PARD

SUBJECT:

Authorize execution of a construction contract with JAY-REESE CONTRACTORS, INC. for the Barton Springs Bypass Tunnel and Downstream Dam Repair and Rehabilitation project in the amount of \$2,888,769.25 plus a \$433,315.39 contingency, for a total contract amount not to exceed \$3,322,084.64.

CURRENT YEAR IMPACT:

Department:	Watershed
Project Name:	Barton Springs Bypass Tunnel
Fund/Department/Unit:	4850 6307 2057
Funding Source:	DUF Fund

Current Appropriation:	4,011,371.00
Unencumbered Balance:	3,391,847.80
Amount of This Action:	(3,200,311.14)
Remaining Balance:	<u>191,536.66</u>

Department:	PARD
Project Name:	Barton Springs Bypass Tunnel
Fund/Department/Unit:	8603 8607 6496
Funding Source:	2006 GO Bonds

Current Appropriation:	250,000.00
Unencumbered Balance:	159,066.98
Amount of This Action:	(121,773.50)
Remaining Balance:	<u>37,293.48</u>

ANALYSIS / ADDITIONAL INFORMATION: The Barton Springs Bypass Tunnel was constructed in 1975 to route minor flood flows around the spring-fed swimming area. Portions of the tunnel have become undermined and the Barton Springs Pool has been experiencing water loss through the expansion joints, weep holes and other holes in the tunnel floor slab. In addition, soil erosion and subsidence have been observed in the embankment along the north side of the tunnel.

The Barton Springs Pool Dams were constructed over 80 years ago and while engineering review reveals that they are stable, there are horizontal cracks in the downstream dam.

This project will fill the voids under the tunnel, repair the 12 expansion joints, install a new 10-inch concrete floor for the length of the tunnel, install 64 rock anchors in five segments, 34 tie-back anchors in three segments, and repair miscellaneous cracks in the tunnel walls and roof, which serves as the sidewalk for the north side of the pool.

This project will also insert and grout stainless steel rods into the downstream dam to reinforce the horizontal cracks.

Due to the potential for unknown subsurface conditions, the changing nature of working in and around a natural waterway, the unpredictability of working around an endangered species habitat, possible weather related interruptions, and to minimize the potential for extending the pool closure, a 15% contingency in

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funding has been included to allow for the expeditious processing of any change orders.

The contract allows 159 calendar days for completion of this project. This project is located within zip code 78704 and is managed by the Public Works Department.

Jay-Reese Contractors, Inc. is located in Austin, TX.